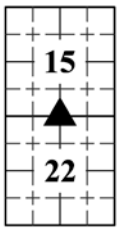
GREENE COUNTY CORNER PERPETUATION RECORD

Corner ID: **Center_N15**

Quarter Corner

Sections 15 & 22- T07N-R03W, 2nd P.M.
Center Township, Greene County, Indiana



PERPETUATION RECORD

MONUMENT: Describe monument set or found (Include material type, scribing, distance above/below grade, dimensions.)
5/8" rebar with yellow plastic cap stamped "SBA INC FIRM 0101" found 2" above grade

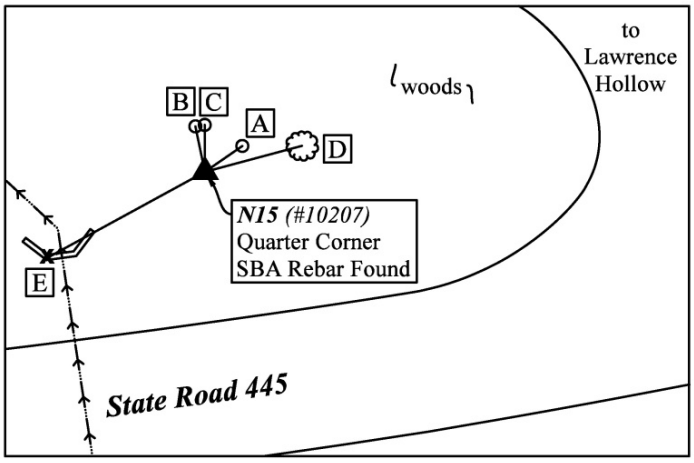
OTHER EVIDENCE: Describe corner location relative to nearby features and how to reach the corner location – note fences, roads, timber cutting lines, mow lines, clearings, plantings, streams, topo changes, etc.
The rebar is on the wooded south-facing slope between State Road 445 and Lawrence Hollow. There is no evidence of possession in the immediate vicinity of the corner.

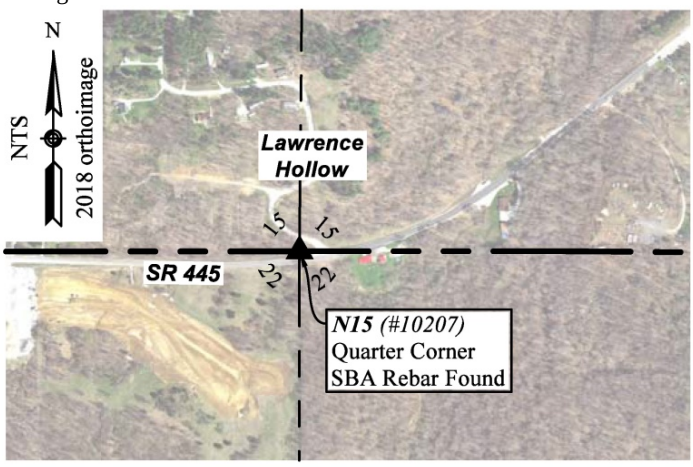
GEODETIC COORDINATES: (OSM #10207)
Northing: 331867.99, Easting: 892982.00 Datum: InGCS Greene Zone, US Survey Feet
Northing: 1379876.35, Easting: 3053592.36 Datum: NAD83(2011) IN West Zone, US Survey Feet

WITNESS MONUMENT TIES: Describe at least three witness objects.

ID	Bearing	Distance	Description
A	N 55°17'58" E	9.11'	5/8" rebar with orange plastic cap stamped "VSEI 0063" found flush
B	N 12° W	9.3'	Cut X in north side of the base of a water valve
C	N 0° E	9.4'	Greene County Survey Marker sign attached to south side of u-post with Eastern Heights water line sign
D	N 75° E	20.1'	2" mag nail and 1-1/4" fender washer set 6" above grade on the north side of an 18" dbh tulip poplar
E	S 61° W	35.7'	Cut x in the top southwest side of a 12" wide concrete headwall

MONUMENT LOCATION SKETCH: Attach a sketch or aerial image.

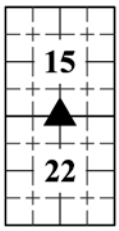




CORNER REPORT

THEORY OF LOCATION: Describe the theory of location for acceptance of this monument.
Greene County Surveyor P. Burr set a stone at this corner in 1854 based on an original bearing tree. 1927 INDOT plans for State Road 445 show the stone at Station 670+08, 56.8 feet from the highway centerline along the half-section line. We reestablished the alignment of State Road 445 and searched for a stone at the location shown on the plans, but found no trace of the stone or its accessories. Our calculated point was within a few feet of a 30" dbh white oak on the south facing slope up to Lawrence Hollow. Due to the terrain and several very large trees in the vicinity, we do not believe that the stone would have been disturbed by construction of State Road 445 or Lawrence Hollow Drive.

An iron pipe is depicted at this corner on Lee Utt's extensive 1982 survey of Lawrence Hollow. A 5/8" rebar with



orange plastic cap stamped "VSEI 0063" was found flush within a foot of the location where we expected to find Utt's pipe. The VSEI rebar was set by Vincent Barr in 2007 per the plat of Lawrence Hollow to replace Utt's pipe. The VSEI rebar is 8.2 feet south of the calculated location of the stone per the INDOT plans.

In 2017, Todd Borgman set the SBA rebar at the midpoint between the BRG rebar found at the West 1/16 corner common to Sections 15 and 22 (N14) and the stone found at the East 1/16 corner common to Sections 15 and 22 (N16). The corner as established by Borgman is consistent with the section line common to Sections 15 and 22 as established by Tapp in 1993 and accepted by Bledsoe, James, and Porter. The SBA rebar is 15 feet southwest of the calculated location of the stone per the INDOT plans.

We accepted the SBA rebar as the corner by common report.

EXISTING SURVEY HISTORY: Include as much detail and history of the corner as known at the time of perpetuation.

ORIGINAL GOVERNMENT SURVEY:
Year Surveyed: 1812 By: Arthur Henrie
Where filed or recorded: F_EV03P372
Original monument: Wood post
Bearing Trees or Witness Ties:

Witness	Bearing	Distance
24" black oak	S39°E	9.9'
12" beech	N47°W	5.3'

Notes:

SUBSEQUENT CORNER RESTORATION:
Date Surveyed: 12/15/1854 By: P.Burr, 1854
Where filed or recorded: Legal Survey Book 3, page 23
Monument: stone
Bearing Trees or Witness Ties:

Witness	Bearing	Distance
4" white oak	S69°E	27.1
20" beech	N47°W	5.3'

Notes: Re-established N15 per original bearing tree

OTHER SURVEY HISTORY: Include details such as surveyor name, date, recording info, monument description, etc.

Date	Surveyor	Description	File Location
10/15/1854	Burr, P	Legal Survey in Section 15 for Birch	LSB 3, pg 21
12/15/1854	Burr, P	Legal Survey in Section for Ritter *Set stone at N15 per original bearing tree*	LSB 3, pg 23
11/29/1927	INDOT	State Highway Federal Aid Project No. 134 Sec.A Bloomfield-Bloomington Road (State Road 445)	INDOT
5/7/1993	Tapp, Philip O.	Survey in Section 22 for McNeal	2004-1895
10/9/2007	Barr, Vincent	Location Control Route Survey in Sections 15 & 22 *Origin of VSEI capped rebar*	PL5-049
3/11/2011	Badger, Matthew G.	I69 Section 4 Segment 6 Route Survey *Accepted VSEI capped rebar*	2011-0980
9/26/2017	Borgman, Todd M.	Survey in Section 22 of SE Corner 445/54 ***Origin of SBA capped rebar***	2018-0691

UNCERTAINTIES IN THE CORNER LOCATION DUE TO:

- Variances in the Monumentation: 9.1 feet
- Discrepancies in the Documents: 15 feet
- Inconsistencies in the lines of Occupation: None noted.
- Theoretical Uncertainty (Random Errors in Measurement): The Relative Positional Accuracy of this survey is within the specifications for an Indiana Rural Survey (0.26 feet plus 200 ppm) as defined in IAC 865.

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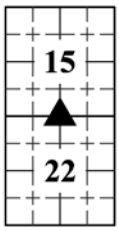

PHOTO IDENTIFIED: Photograph close up photo of monument and a vicinity photo of the monument.
Photo Date: 12/30/2021

Photo Orientation & Description: Rebar at N15

Photo Orientation & Description: Looking northwest with the SBA rebar on the left and the VSEI rebar on the right

FIELD PERSONNEL:
Field Date: 12/30/2021 By: Rachel Oser and Phillip Oser Project : Oser Surveying & Mapping LLC Job# 10226A Corner Perpetuation Survey for Center Township Sections 14, 15, 22 & 23, Township 7 North, Range 3 West
Notes: This document is not complete without the associated plat and report of survey dated January 25, 2022.

BASIS OF GEODETIC COORDINATES: The basis of bearings is the Indiana Geospatial Coordinate System's (InGCS) "Greene" zone NAD 83 (2011) epoch 2010.00, NAVD 88, geoid18_conus.db3, reported in US Survey Feet and decimal parts thereof. The zone was developed to minimize the differences between ground measured horizontal distances and the corresponding grid coordinate (map) distances within the county. Coordinates are also reported in Grid North System NAD83(2011)/Indiana West NAVD 88, Epoch 2010.0000, geoid18_conus.db3, US Survey Feet.

Coordinates were established using a Javad GNSS System (Triumph LS rover and Triumph 3 base) and the InCORS Real-Time Network. Distances to witness ties were measured with a 100-foot steel tape. Bearings to witness ties were collected with the internal magnetic compass of the Javad Triumph LS and were automatically adjusted to InGCS Greene Zone Grid North. Bearings to witness ties are approximately shown hereon for reference. Priority should be given to provided distances over bearings.

CERTIFICATION:
Rachel Oser
Indiana Professional Surveyor 21100022
Oser Surveying & Mapping LLC
4632 E Rocky Road, Bloomfield, IN 47424
(812) 320-2694 • Rachel@OserSurveying.com

Rachel Oser Date: 1/25/2022